LITHONIA LIGHTING®

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides a minimum of 90 minutes illumination for rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation and unparalleled performance.

CONSTRUCTION

White, compact, low-profile contemporary design with UV-stabilized thermoplastic, impact and scratch-resistant housing .

Two 9W wedge-base krypton lamps offer 80 percent more light output than the standard 9W incandescent lamps.

Patented MR24, multi-faceted reflector significantly improves photometric performance – 48 percent more light delivered to the path of egress.

Tool-less access for maintenance. Rigid conduit entry on both top and sides on large units (ELM654, ELM1254, and ELM1272), and top only for small units (ELM618 and ELM627)

Universal J-box mounting pattern.

Low-profile, integrated test switch/pilot light.

Unique track and swivel arrangement permits full range lamp head adjustment.

Patent-pending Quick-Mount for simple installation. Ceiling mount standard.

BATTERY

Sealed, maintenance-free lead-calcium battery standard.

Sealed, maintenance-free nickel-cadmium battery optional.

Automatic recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery.

Single-circuit battery connection.

ELECTRONICS

Universal input voltage capability (120 through 277V, 50 or 60 Hz).

Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

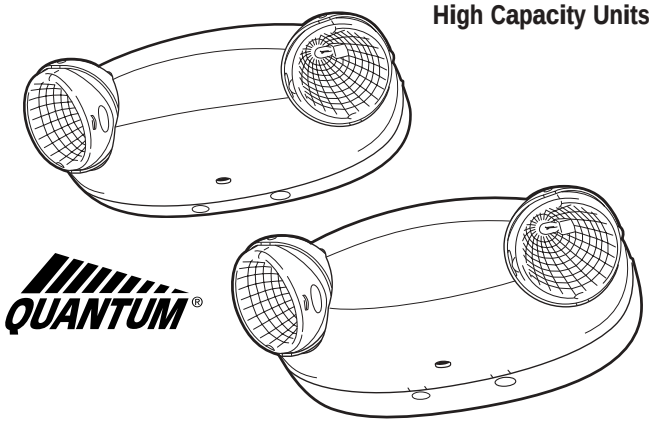
Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Thermoplastic Emergency Light

ELM 6-12

High Capacity Units



DIAGNOSTICS (SD option)

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for five minutes every 30 days and 30 minutes bi-annually. Automatic test is easily postponed for eight hours by activating manual test switch. Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

Load learning capability self-calibrates to DC load at first test, enabling it to detect a lamp failure on future tests. It may be recalibrated at any time by holding down the test switch for 15 seconds.

LISTING

UL listed and NOM certified. Damp Location listing available. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards.

WARRANTY

Three-year total customer satisfaction warranty. For details, see the Product Selection Guide.

ORDERING INFORMATION

Example: **ELM618 N SD**

Family

ELM618 (6V, 18W)
ELM627 (6V, 27W)
ELM654 (6V, 54W)
ELM1254 (12V, 54W)
ELM1272 (12V, 72W)

Lamp Type

6-Volt MR 24 Composite
(blank) 9W/6V krypton[1]
H1206 12W/6V halogen[2]
H2006 20W/6V halogen[3]

12-Volt MR 24 Composite[4]
(blank) 9W/12V krypton
H1212 12W/12V halogen
H2012 20W/12V halogen

Options*

B Black housing[9]
N Maintenance-free ni-cad battery[5]
TD Time delay[6]
RT Remote test[7]
SD Self-diagnostics[6]
R0 Less Heads[8]
DL Damp Location[5,10] - 10° - 40°C (50° - 104°F)

***Options Availability Guide**

Product	Size	SD[6]	TD[6]	RT[7]	N[5]	B[9]	DL[5,10]	R0[8]
ELM618	S	■	■		■		■	■
ELM627	S	■	■	■	■	■	■	■
ELM654	L	■	■					■
ELM1254	L	■	■		■		■	■
ELM1272	L	■	■	■		■		■

NOTES:
1 Available on ELM618, ELM627, and ELM654 only.
2 Available on ELM627 and ELM654 only.
3 Available on ELM654 only.
4 Available on ELM1254 and ELM1272 only.
5 Available on ELM618, ELM627, and ELM1254 only.
6 SD and TD for ELM618 and ELM1254 must be ordered with N option.
7 RT not available with SD. Need to order the ELA LRT.
8 Not available with any other options.
9 Available on ELM627 and ELM1272 only.
10 Damp Location listed from 10°C to 40°C (50° - 104°F) except ELM618N, ELM627N and ELM1254N listed from 15°C to 32°C (60° - 90°F).

Accessories

Order as separate items.

ELA LRT Remote Test (laser)
ELA VS2 Polycarbonate vandal shield (1/8" thick)
ELA WG2M Wireguard
ELA MR24 Compact MR24 remote lamp head
ELA MR24 K0606 (6W, 6V krypton)
ELA MR24 K0906 (9W, 6V krypton)
ELA MR24 H1206 (12W, 6V halogen)
ELA MR24 K0912 (9W, 12V krypton)
ELA MR24 H1212 (12W, 12V halogen)
ELA MR24 H2006 (20W, 6V halogen)
ELA MR24 H2012 (20W, 12V halogen)

ELM 6-12 Thermoplastic Emergency Light, Quantum

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	AC Input Volts	AC Input Amps	Max Watts	Output Volts	Watts Output 1-1/2hr.	2hrs.	3hrs.	4hrs.
ELM618	120	.167	5.2	6	18	13.5	9	3
	277	.072	5.6					
ELM627	120	.10	5.2	6	27	20	13.5	10
	277	.04	5.6					
ELM654	120	.250	7.4	6	54	40.5	27	20
	277	.108	7.4					
ELM1254	120	.250	11	12	54	40.5	27	20
	277	.108	11.1					
ELM1272	120	.250	11	12	72	54	36	27
	277	.108	11.1					

BATTERY

Nickel-Cadmium

Voltage	Shelf life[1]	Expected life[1]	Maintenance	Operating temperature[2]
6/12	3 yrs.	10 yrs.	none[3]	32º-100ºF (0º-37.8ºC)

Sealed Lead-Calcium

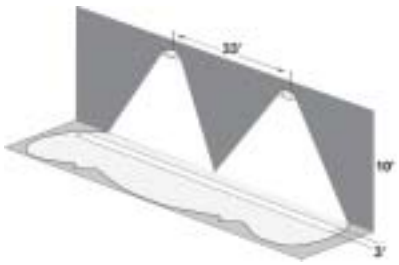
Voltage	Shelf life[1]	Expected life[1]	Maintenance	Operating temperature[2]
6/12	6 mos.	5-8 yrs.	none[3]	60-90°F (16-32°C)

1 At 77°F (25°C).

2 Optimum ambient temperature range where unit will provide capacity for 30 to 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.

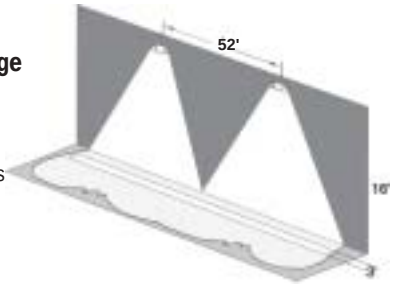
3 Periodic system status test recommended.

PERFORMANCE DIAGRAMS



ELM12 Performance Advantage

- 12-volt, 9-watt krypton lamp
- Typical 10 foot mounting height delivers 33 feet center-to-center spacing
- 48% increase in center-to-center spacings over competitive 12-volt higher capacity emergency lighting units.



ELM6 Halogen Performance Advantage

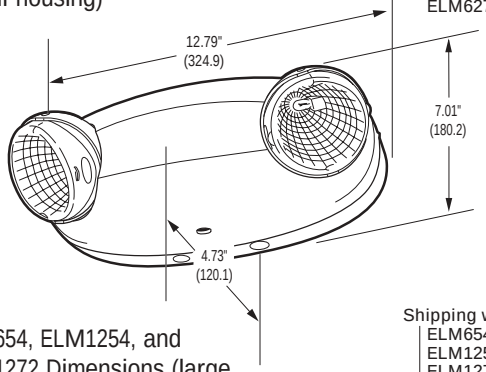
- 6-volt,20-watt halogen lamp
- Higher mounting heights deliver 50+ feet center-to-center spacing
- 73% increase in center-to-center spacings over the highest wattage lamphead available from competitive emergency lighting units

MOUNTING

All dimensions are in inches (millimeters).

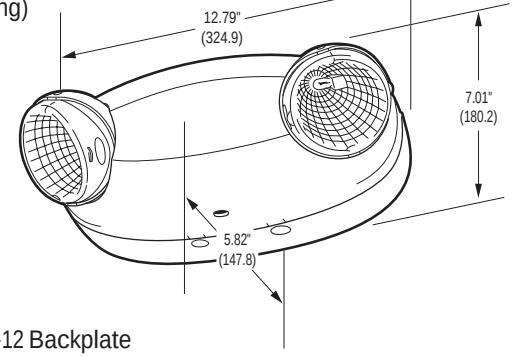
ELM618 and ELM627 Dimensions (small housing)

Shipping weight:
ELM618 - 6.8 lbs.
ELM627 - 8.0lbs.

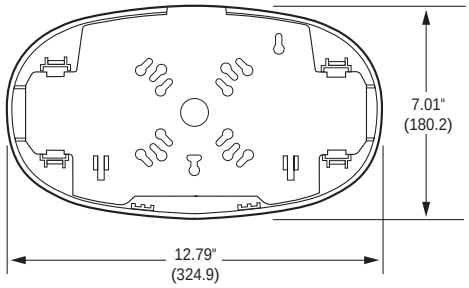


ELM654, ELM1254, and ELM1272 Dimensions (large housing)

Shipping weight:
ELM654 - 13 lbs.
ELM1254 - 13 lbs.
ELM1272 - 13 lbs.



ELM6-12 Backplate



Recommended Center-to-Center Spacing

Lamps / Mtg Ht	7.5'	10'	12'	16'	20'
K0606	25'	N/A	N/A	N/A	N/A
K0906	25'	31'	29'	27'	23'
K0912	25'	33'	30'	29'	26'
H1212	N/A	31'	33'	39'	41'
H2006	N/A	35'	37'	52'	49'

LITHONIA LIGHTING®
An AcuityBrands Company

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